DO NOT FORWARD TO ASSIGNMENT BRANCH NOT FOR RECORDATION

ASSIGNMENT

Docket No.0652.2190001/EKS/Y-W

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: 1) Jiradej MANOSROI, 2) Aranya MANOSROI, 3) Chatchai TAYAPIWATANA, 4) Friedrich GOETZ and 5) Roth-Guenther WERNER, the undersigned inventors hereby sell(s) and assign(s) to Boehringer Ingelheim International GmbH (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

36,68

check applicable box(es)

and throughout the world,

(a) in the invention(s) known as Methods for Large Scale Production of Recombinant DNA-Derived tPA or K2S Molecules for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) 2/22/02 2) 2/22/02 3) 2/21/02 4) 3/21/02 and 5)2/22/02 (also known as United States Application No. 09/987,455, filed November 14, 2001), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

34,601

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Fre da dass	Signature of Inventor: _	
		_	Jiradej MANOSRO
Date:	Feb 22 2002	Signature of Inventor: _	Franya Mariosmi
			Aranya MANOSROI
Date:	21 FEB 2002	Signature of Inventor:	Jason TayopinSone.
			Chatchai TAYAPIWATANA
Date:	21 Nanh 2002 Sign	Signature of Inventor:	W E
		_	Friedrich GOETA
Date:	DJ. FEB JOOL	Signature of Inventor:	Rolf Cr. Leveller
		-	Rolf-Guenther WERNER



POWER OF ATTORNEY FROM ASSIGNEE

Docket No.: <u>0652.2190001/EKS/Y-W</u>

RADEMARKS		the standard of business at
a like in Internal Cmb	H , a corporation of Germany, I	laving a principal place of business at
p: C40- 172 D 55216 Ingelheim am	Rhein is assignee of the entire	right, title and interest for the Office
States of America (as defined in 35 U.S.C.	§ 100), by reason of an Assigni	ment to the Assignee executed on
1) 2/22/02 2) 2/	12/02 3) 2/21/02	
5) 2/11/22 of an inventi	on known as Methods for Larg	ge Scale Production of Recombinant
DNA-Derived tPA or K2S Molecules (A	ttorney Docket No. <u>0652.21900</u>	UI/EKS/Y-W), Which is disclosed and
Literation and application of the same	title by the inventors 1) Jiradel 1	MANUSKUI, 2) Alanya MANUSKUI,
3) Chatchai TAYAPIWATANA, 4) Friedr	rich GOETZ and 5) Rolf-Guente	er WERNER (Said application fried on
November 14, 2001 at the U.S. Patent and	Trademark Office, having Appl	ication Number <u>09/987,433</u>).
The Assignee hereby appoint the U.S. attorapplication and any continuation, divisional business in the U.S. Patent and Trademar Greene Sterne, Esq., Reg. No. 28,912; Ed. No. 29,021; David K.S. Cornwell, Esq., Reg. Durkin, Esq., Reg. No. 32,831; Michel 33,997; Robert E. Sokohl, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. Sq., Reg. No. 39,588; Lawrence B. Bug 33,876; and Robert C. Millonig, Esq., Reginsert on this Power of Attorney any furth with the rules of the U.S. Patent and Trademark.	al, continuation-in-part, or reissuch Coffice connected therewith, sward J. Kessler, Esq., Reg. No. eg. No. 31,944; Robert W. Esmole A. Cimbala, Esq., Reg. No. 35,013; Eric K. Steffe, Esq., Reg. No. 36,203; John M. Covert, Egaisky, Esq., Reg. No. 35,086; I. g. No. 34,395. The Assignee here identification that may be ne	such attorneys currently being: Robert 25,688; Jorge A. Goldstein, Esq., Reg. and, Esq., Reg. No. 32,893; Tracy-Gene 3,851; Michael B. Ray, Esq., Reg. No. No. 36,688, Michael Q. Lee, Esq., Reg. Sq., Reg. No. 38,759; Linda E. Alcorn, Donald J. Featherstone, Esq., Reg. No. reby grants said attorneys the power to
Send correspondence to:		
1100 New Yor Suite 600	LER, GOLDSTEIN & FOX P.L.L.C. k Avenue, N.W. D.C. 20005-3934	
Direct phone calls to 202-371-20	600.	
FOR: SIGNATURE: BY: TITLE:	Boehringer Ingelheim Interna ppa. Dr. Dieter LAUDIEN Head of Patent Division	Marion HOSS Authorised person of Patent Division
D.A.TEP	March 27 200	

APR	' E Certificate Un	der 37 C.F.R. § 3.73(b)		
Applicant: MAD		Docket No. <u>0652.2190001/EKS/Y-W</u>		
		Filed: November 14, 2001		
Application No.:				
Entitled: Method	s for Large Scale Production of	Recombinant DNA-Derived tPA or K2S Molecules		
Boehringer Inge	Iheim International GmbH (Name of Assignee)	, a corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)		
states that it is:				
1. [X] the assig	gnee of the entire right, title, and in	nterest, or		
2. [] an assig	an assignee of an undivided part interest			
in the patent app	lication/patent identified above by	virtue of either:		
recorde	An Assignment from the inventors of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
OR				
	of title from the inventor(s) of the as shown below:	e patent application/patent identified above to the current		
1. From	To:			
	The document was recorded in the	he Patent and Trademark Office at, or for which a copy thereof is attached.		
2. From	n: To: _			
		he Patent and Trademark Office at, or for which a copy thereof is attached.		
3. From	To: To: To: To: To: The document was recorded in the Reel, Frame	he Patent and Trademark Office at, or for which a copy thereof is attached.		
[] Add	ditional documents in the chain of	title are listed on a supplemental sheet.		
[<u>NOTE</u> docume assignn	ent) must be submitted to Assignment is to be recorded in the record	al assignment document or a true copy of the original nent Division in accordance with 37 CFR Part 3, if the dis of the PTO. See MPEP 302-302.8]		
The undersigned	d (whose title is supplied below) is	empowered to act on behalf of the assignee.		

Title: Signature:

Dr. Dieter LAUDIEN

Head of Patent Division

Name: _